

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-9 (canceled)

10. (Currently amended) A three-dimensional survey system, comprising:

a survey apparatus for measuring a position of a collimation target from distance and angle;

an image acquisition devices each for acquiring images of an object to be measured, inclusive of an image of the collimation target, from different plural directions;

absolute orientation means that furnishes said position of the collimation target to a model coordinate system acquired by the mutual orientation so as to convert into the ground coordinate system, wherein the conversion is made by giving three-dimensional coordinate values measured on the ground to points on the image; and

arithmetic processing means that matches, by using the collimation target as a tie point, the images that have been acquired by said image acquisition devices, relates the collimation target position that has been measured by said survey apparatus and the collimation target in each of the matched images, computes three-dimensional coordinate data of the object to be measured using data corresponding to the collimation target, performs corrections for inclinations or rotational angle errors of said image acquisition devices, calculates positions thereof from not only the position of the collimation target, but also the images acquired from said image acquisition devices, and computes three-dimensional coordinate data of the object to be measured.